

first router VPN information includes a VPN identifier which is assigned to said first router;

Cont.  
B1 a second router coupled to the shared MPLS network and configured to dynamically distribute second router VPN information across the shared MPLS network; wherein said second router VPN information includes a VPN identifier which is assigned to said second router;

wherein said first and second routers are also configured to establish a plurality of label switched paths therebetween, said label switched paths comprising at least two multipoint-to-point paths and further comprising at least one multi-point to multi-point path; and,

wherein said VPN identifier assigned to said first router is the same as said VPN identifier assigned to said second router.

Sub 3  
B2 (Once Amended) A virtual private network which enables private communication, over a shared MPLS network, between at least two actual networks comprising:

first router means coupled to the shared MPLS network for dynamically distributing first router means VPN information across the shared MPLS network, wherein said first router means VPN information includes a VPN identifier which is assigned to said first router means;

a second router means coupled to the shared MPLS network for dynamically distributing second router means VPN information across the shared MPLS network; wherein said second router means VPN information includes a VPN identifier which is assigned to said second router;

wherein said first and second router means are also configured to establish a plurality of label switched paths therebetween, said label switched paths comprising at least two multipoint-to-point paths and further comprising at least one multi-point to multi-point path; and,

wherein said VPN identifier assigned to said first router is the same as said VPN identifier assigned to said second router.